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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/701,981	11/06/2003	Han-Ming Lee		8226

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04/07/2005

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EXAMINER

FRIEDHOFFER, MICHAEL A


ART UNIT

PAPER NUMBER

2832

DATE MAILED: 04/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/701,981	Applicant(s) LEE, HAN-MING	
	Examiner Michael A. Friedhofer	Art Unit 2832	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.  
     4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
     a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

## DETAILED ACTION

### *Specification*

1. The abstract of the disclosure is objected to because the phrases "The present invention" and "This invention" should not be present. Correction is required. See MPEP § 608.01(b).

### *Claim Rejections - 35 USC § 112*

2. Claims 1-4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In the claims, there should be only a single period within each claim and that should be at the end of that claim.

In all of the claims, it is improper to use "the said". Use either "said" or "the" but not both.

In claim 1, line 2 "its front" has no antecedent basis.

In claim 1, line 3 "the ends" has no antecedent basis.

In claim 1, line 4 "the rear end" has no antecedent basis.

In claim 1, line 4 it is unclear to what "there" is referring.

In claim 1, lines 4-5 "the top" has no antecedent basis.

In claim 1, line 6 "the bottom" and "The conical surface" have no antecedent basis.

In claim 1, lines 6-7 "the opposite direction" has no antecedent basis.

In claim 1, line 8 "the end" has no antecedent basis.

In claim 1, line 10 "both sides" has no antecedent basis.

In claim 1, line 11 "the inserted hole" and "the said terminal plate" have no antecedent basis.

In claim 1, line 12 "the said board" and "the rear side" have no antecedent basis.

In claim 1, line 14 "the said two boards", "the end", and "the said board" have no antecedent basis.

In claim 1, line 15 "the said front board", "the corner", and "the said terminal plate" have no antecedent basis.

In claim 1, line 16 replace "is" with --are--.

In claim 1, line 16 "the inner sides" has no antecedent basis.

In claim 1, line 17 "the bottom" has no antecedent basis.

In claim 1, line 18 "the middle section" has no antecedent basis.

In claim 1, line 21 "the middle section", "the board surface", "the corner", and "the bent section" have no antecedent basis.

In claim 1, line 22 only one terminal plate is previously claimed, however, now there are two being claimed and it is unclear what is really being claimed.

In claim 1, line 22 "The bent section" has no antecedent basis.

In claim 1, lines 23-24 "the conductive pipe opening" has no antecedent basis.

In claim 1, line 26 "the rear end" and "the said board" have no antecedent basis.

In claim 1, line 27 "the electric wire" and "the said board body" have no antecedent basis.

In claim 1, line 28 "the said conductive plate", "the rear end", and "the said plate" have no antecedent basis.

In claim 1, line 29 there is no antecedent basis for "another terminal plate".

In claim 1, line 30 "the lower section" has no antecedent basis.

In claim 1, line 31 it is unclear to what "there" is referring.

In claim 1, line 32 "the hole" and "the opposite side" have no antecedent basis.

In claim 1, line 34-35 "the switching movement" has no antecedent basis.

In claim 1, line 35 "both front and rear sections" has no antecedent basis.

In claim 1, line 36 "the high temperature coefficient", "the power", and "the function" have no antecedent basis.

In claim 2, line 1 "both sides" has no antecedent basis.

In claim 2, line 2 "the groove" has no antecedent basis.

In claim 2, line 2 it is unclear to what elements "each" are referring.

In claim 2, lines 2 and 3 there is already a "semicircular opening" claimed so it is unclear how these might be related.

In claim 2, line 3 "the section" has no antecedent basis.

In claim 2, line 5 "the control" and "the switching function" have no antecedent basis.

In claim 3, line 2 "the end" has no antecedent basis.

In claim 3, line 3 "the same direction", "the square groove section", and "the bottom" have no antecedent basis.

In claim 4, line 2 "the surface" and "the arc surface" have no antecedent basis.

In claim 4, line 2 it is unclear to which "groove" is being referred.

In claim 4, line 3 "the bottom" and "the opposite direction" have no antecedent basis.

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Becker et al, Osika, Mai et al, Jenks, Shatkin, and Liu teach various safety plugs with switches located within the plug.

***Allowable Subject Matter***

4. Claim 1 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

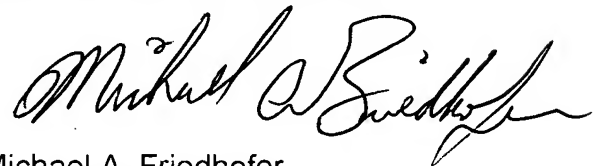
5. Claims 2-4 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael A. Friedhofer whose telephone number is 571-272-1992. The examiner can normally be reached on Mon-Fri 6:00 - 2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2832

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Michael A. Friedhofer  
Primary Examiner  
Art Unit 2832

maf